REVISIONS TO CLAIMS

1.(cancelled).

2. (currently amended) A lamp as claimed in claim 11~~1~~, wherein

- the burner (12) is fastened in the lamp base (14) by means of injection molding, casting, adhesion, locking, or pressing.

3. (currently amended) A lamp as claimed in claim ~~1~~11, wherein

- the burner element (L) is a discharge vessel in which a gas discharge can be excited between two electrodes.

4. (currently amended) A lamp as claimed in claim ~~1~~11, wherein

- the lamp base (14) comprises a flange (18) from which the position reference elements (22a, 22b, 22c) project.

5. (currently amended) A headlight with

- a lamp (10) as claimed in claim ~~1~~11,
- and a reflector,
- wherein the lamp (10) is mounted to the reflector such that the burner element (L) is inside the reflector,
- and wherein the lamp (10) is positioned with reference to the reflector through contact at least with ~~the~~ contact surfaces of the ~~position~~ reference element<u>s</u> (22a, 22b, 22c).

6. (canceled)

REVISIONS TO CLAIMS

7. (currently amended) A method as claimed in claim ~~6~~13, wherein - ~~the~~ contact surfaces at the ~~position~~ reference elements (22a, 22b, 22c) are formed by a bulk-removing treatment~~, for example milling or melting~~.

8. (currently amended) A method as claimed in claim ~~6~~13, wherein - the burner/base assembly comprises ~~the~~ a burner (12) is indetachably fastened in ~~the~~ a lamp base (14) without alignment possibility.

9. (new) The method of claim 7, wherein the bulk-removing treatment comprises milling.

10. (new) The method of claim 7, wherein the bulk-removing treatment comprises melting.

11. (new) A lamp comprising:

a lamp base,

a burner with a burner element fixed to the base, and

a plurality of non-movable reference elements having fixed, non-uniform sizes and coupled with the base for positioning the burner, the non-uniformity of the reference elements being customized to achieve a desired alignment of a beam of light from the burner relative to a portion of the lamp.

12. (new) The lamp of claim 11 wherein

the portion comprises a reflector; and

the reference elements comprise protrusions relative to the base toward a direction of the burner, the protrusions comprising contact surfaces for engaging the reflector around the burner at a position suitable for achieving the desired alignment.

13. (new) The lamp of claim 11, wherein at least one of the reference elements is customized to be shorter than another of the reference elements.

14. (new) A method for manufacturing a lamp comprising

providing a burner/base assembly including a plurality of non-moving reference elements for positioning the assembly; and

customizing the reference elements to respective fixed, non-uniform sizes, responsive to a desired alignment of a light beam emerging from the assembly.

15. (new) The method of claim 14 further comprising

engaging a reflector with contact surfaces of the customized reference elements, and around a burner portion of the burner/base assembly, to achieve the desired alignment.

16. (new) The lamp of claim 14, wherein customizing comprises making at least one of the reference elements shorter than another of the reference elements.